

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E81541

Employer : The Boeing Company

Worksite : The Boeing Company - Everett
Modification Center (45-344
Building)

Street : 3100 112 St Sw

Jurisdiction : Unincorporated Snohomish County

Survey Date : 11/18/2013

SAMPLING

Survey Type : Online

Response Rate : 53%

Drive Alone & One-Way VMT Rates at this Worksite

Employees and Survey Response Information

Drive Alone : 82.6%

Reported Total Employees at Worksite: 1,275

Surveys Distributed : 1,096

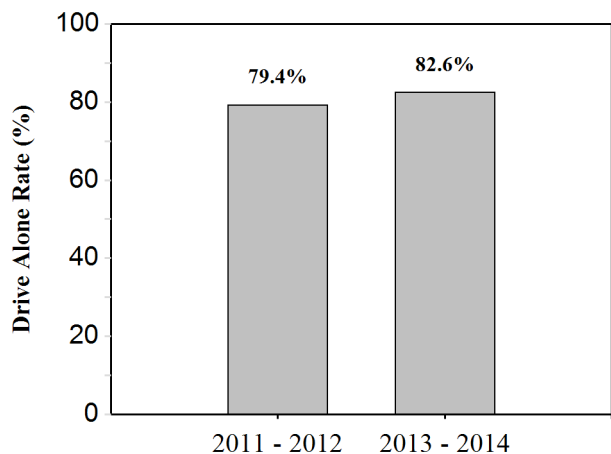
One-Way VMT per employee : 16.5

Surveys Returned : 579

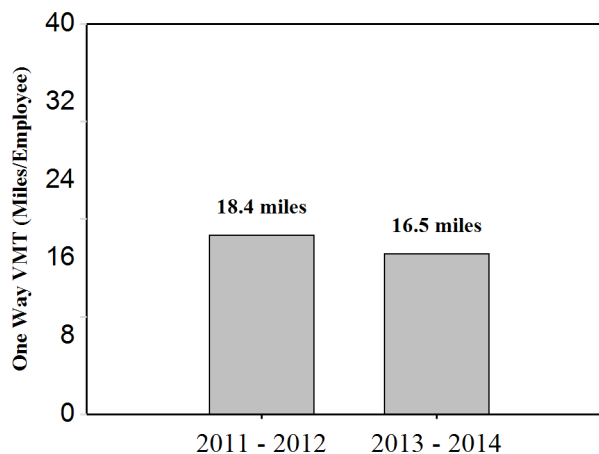
Surveys Returned by CTR Affected Employees : 199

Total Estimated CTR - Affected Employees at Worksite : 377

Drive Alone - All Employees



One Way VMT per Employee - All Employees





Site History and Goal

Cycle	Drive Alone - All	Drive Alone - CTR Affected	VMT / Employee - All	VMT / Employee - CTR Affected
2007 - 2008	N/A	N/A	N/A	N/A
2009 - 2010	N/A	N/A	N/A	N/A
2011 - 2012	79.4%	78.0%	18.4	18.0
2013 - 2014	82.6%	80.7%	16.5	15.3
2015 - 2016	N/A	N/A	N/A	N/A
2017 - 2018	N/A	N/A	N/A	N/A
2019 - 2020	N/A	N/A	N/A	N/A
Goal	TBD	TBD	TBD	TBD
Percent Change	4.0%	3.5%	-10.3%	-15.0%

Comparison Between Rates With and Without Fill-In

The survey response rate is indicated on Page 1. To encourage a response rate of at least 70%, additional drive alone trips are added to survey results for worksites with a response rate of less than 70%. For these worksites it is assumed that non-responding employees between the actual response rate and 70% drive alone 5 days a week. These additional trips represent the "Fill-In" applied. Note that fill-in is not applied to a worksite's first survey in the 2007 to 2012 cycle (their baseline survey).

	2011 - 2012	2013 - 2014	2013 - 2014 Without Fill In
Drive Alone - All Employees*	79.4%	82.6%	82.5%
Drive Alone - CTR Affected Employees*	78.0%	80.7%	80.5%
VMT/Employee - All Employees	18.4	16.5	16.5
VMT/Employees - CTR Affected Employees	18.0	15.3	15.3

* Drive alone rate includes one person motorcycles.

GHG Emissions: Total for Drive Alone, Carpools, Vanpools

Annual Greenhouse Gas Emissions (Metric Tons CO₂e) for Roundtrip Commute*

Value	2011 - 2012	2013 - 2014
Emissions for Surveyed Employees	1,076	2,396
Estimated Emissions for Total Employment	13,432	5,276

* Estimated based on VMT from commuters driving alone, carpooling, vanpooling, or motorcycling, without fill-in applied.

Bus Transit Passenger Miles and Rail Transit Passenger Miles*

Annual Transit Passenger Miles (includes Roundtrip Commute)	2011 - 2012	2013 - 2014
Bus Annual Passenger Miles - Estimated for Total Employment	0	72,889
Bus Annual Passenger Miles - Surveyed Employees	0	33,100
Ferry Annual Passenger Miles - Estimated for Total Employment	1,130,080	185,415
Ferry Annual Passenger Miles - Surveyed Employees	90,500	84,200
Train/Light Rail/Streetcar Annual Passenger Miles - Estimated for Total Employment	0	0
Train/Light Rail/Streetcar Annual Passenger Miles - Surveyed Employees	0	0

* Transit passenger miles can be used to gauge changes in transit usage, and also to calculate greenhouse gas emissions from transit commute trips. However, emissions attributable to transit vary widely, depending on the efficiency/energy source of transit vehicles and transit vehicle passenger load (typically ranging from 0.1 to 0.9 pounds CO₂e emissions/passenger mile). Employers are strongly encouraged to contact their local transit agencies for more precise information on GHG emissions for their transit trips. If nothing else is available, the value of 0.47 pounds (0.00021 metric tons) per passenger mile can be used to estimate CO₂e emissions for bus transit, and 0.39 pounds (0.00018 metric tons) CO₂e emissions per passenger mile for train/light rail/streetcar.

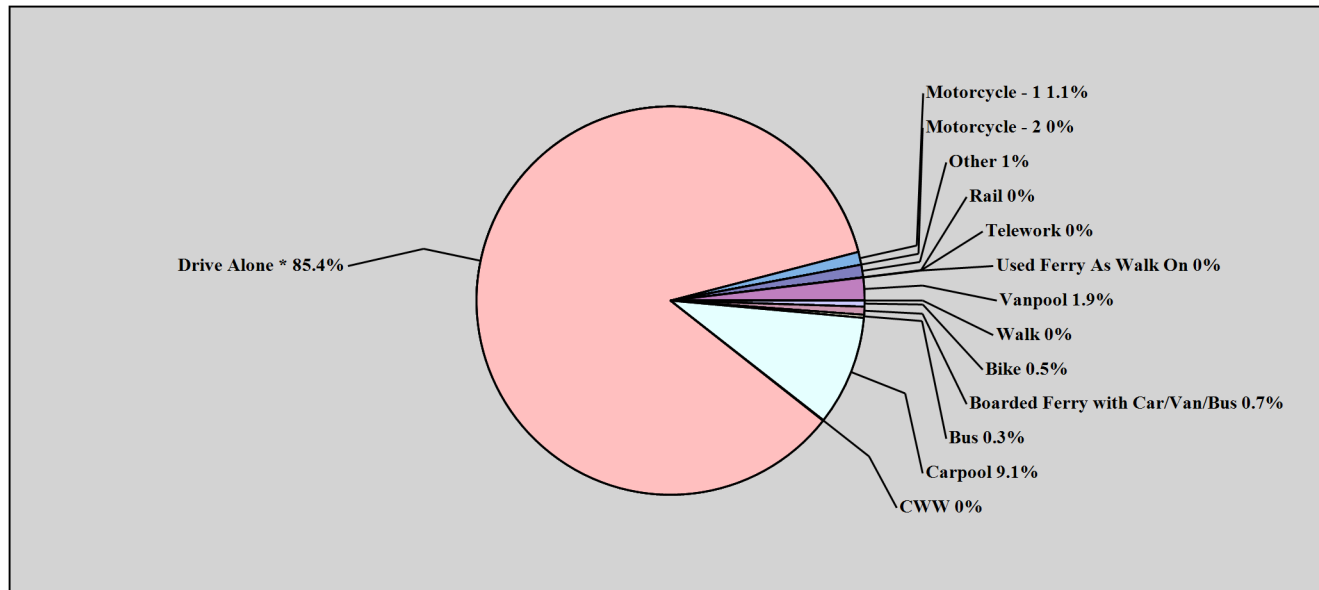
Q3.

One way, how many miles do you commute from home to your usual work location?
Average one-way distance home to work: 18.5 miles

Commute Trips By Mode - All Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



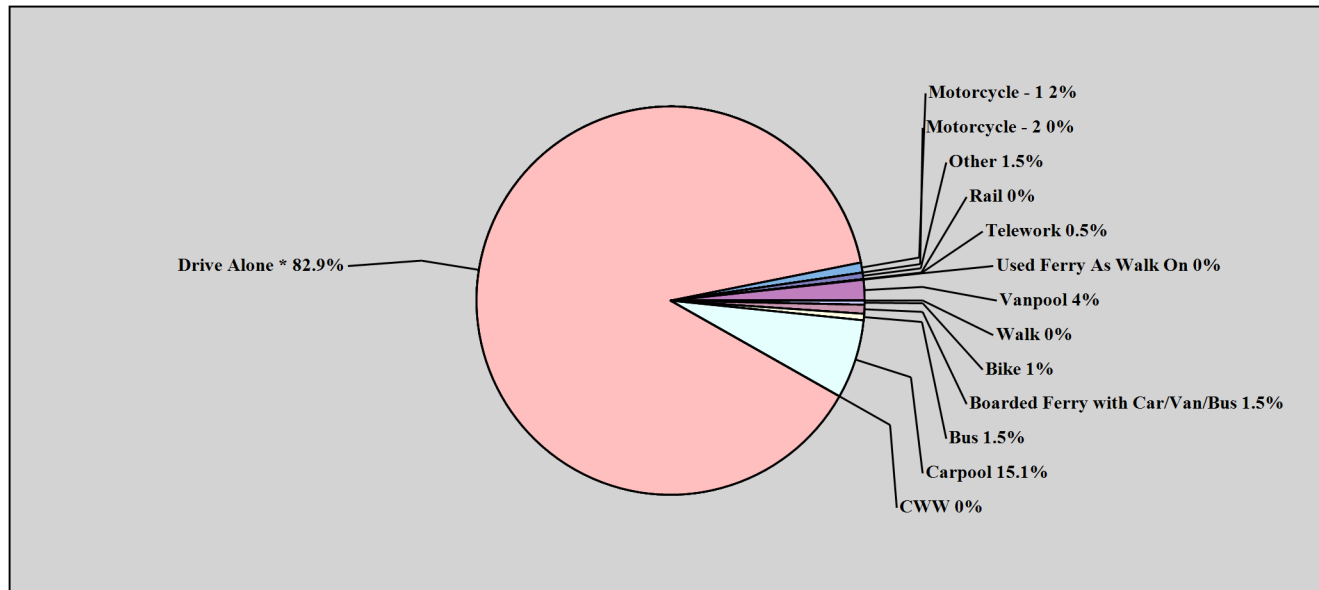
Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	3,596	85.4%	76.7%	491	84.8%	83.2%
Carpool	385	9.1%	12.4%	82	14.2%	15.1%
Vanpool	80	1.9%	3.3%	17	2.9%	4.3%
Motorcycle - 1	45	1.1%	2.6%	11	1.9%	3.4%
Motorcycle - 2	0	0.0%	0.0%	0	0.0%	0.0%
Bus	11	0.3%	0.0%	3	0.5%	0.0%
Rail	0	0.0%	0.0%	0	0.0%	0.0%
Bike	21	0.5%	0.9%	6	1.0%	1.3%
Walk	0	0.0%	0.0%	0	0.0%	0.0%
Telework	1	0.0%	0.0%	1	0.2%	0.0%
CWW	2	0.0%	0.0%	1	0.2%	0.0%
Boarded Ferry with Car/Van/Bus	28	0.7%	1.7%	7	1.2%	2.2%
Used Ferry As Walk On	0	0.0%	0.8%	0	0.0%	0.9%
Other	44	1.0%	1.6%	10	1.7%	1.7%

* Drive alone mode includes fill-in, where applicable.

Commute Trips By Mode - Affected Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - Affected Employees



Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	1,805	88.7%	75.9%	165	82.9%	84.5%
Carpool	134	6.6%	11.5%	30	15.1%	15.5%
Vanpool	35	1.7%	4.5%	8	4.0%	6.2%
Motorcycle - 1	17	0.8%	2.1%	4	2.0%	3.1%
Motorcycle - 2	0	0.0%	0.0%	0	0.0%	0.0%
Bus	11	0.5%	0.0%	3	1.5%	0.0%
Rail	0	0.0%	0.0%	0	0.0%	0.0%
Bike	7	0.3%	1.4%	2	1.0%	2.1%
Walk	0	0.0%	0.0%	0	0.0%	0.0%
Telework	1	0.0%	0.0%	1	0.5%	0.0%
CWW	0	0.0%	0.0%	0	0.0%	0.0%
Boarded Ferry with Car/Van/Bus	15	0.7%	2.5%	3	1.5%	2.1%
Used Ferry As Walk On	0	0.0%	1.9%	0	0.0%	2.1%
Other	11	0.5%	0.2%	3	1.5%	1.0%

* Drive alone mode includes fill-in, where applicable.

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	455	79%	579	100%
1 Days	5	1%	124	21%
2 Days	14	2%	119	21%
3 Days	7	1%	105	18%
4 Days	7	1%	98	17%
5 Days	69	12%	91	16%
6 or More Days	22	4%	22	4%

Work Schedules By Group - All Employees (This table shows the relationship between work schedule and commute mode)

Employees who worked:	Drive Alone 5 days / week		Drive Alone 3 or 4 days / week		Used Bus At Least 3 days / week		Carpooled At Least 3 days / week		Used Rail At Least 3 days / week		Vanpooled At Least 3 times / week		Biked or Walked At Least 3 Days / week		Used 'Other' Modes At Least 3 Days / week		Used Non-Drive Alone At Least 3 Days / week	
5 days a week	216	42.3%	22	4.3%	2	0.4%	63	12.3%	0	0%	14	2.7%	3	0.6%	7	1.4%	94	18.4%
4 days a week (4/10s)	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
3 days a week	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
9 days in 2 weeks (9/80)	1	50%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
7 days in 2 weeks	2	11.8%	0	0%	0	0%	2	11.8%	0	0%	0	0%	0	0%	0	0%	2	11.8%
Other	4	8.7%	1	2.2%	0	0%	5	10.9%	0	0%	2	4.3%	0	0%	0	0%	7	15.2%

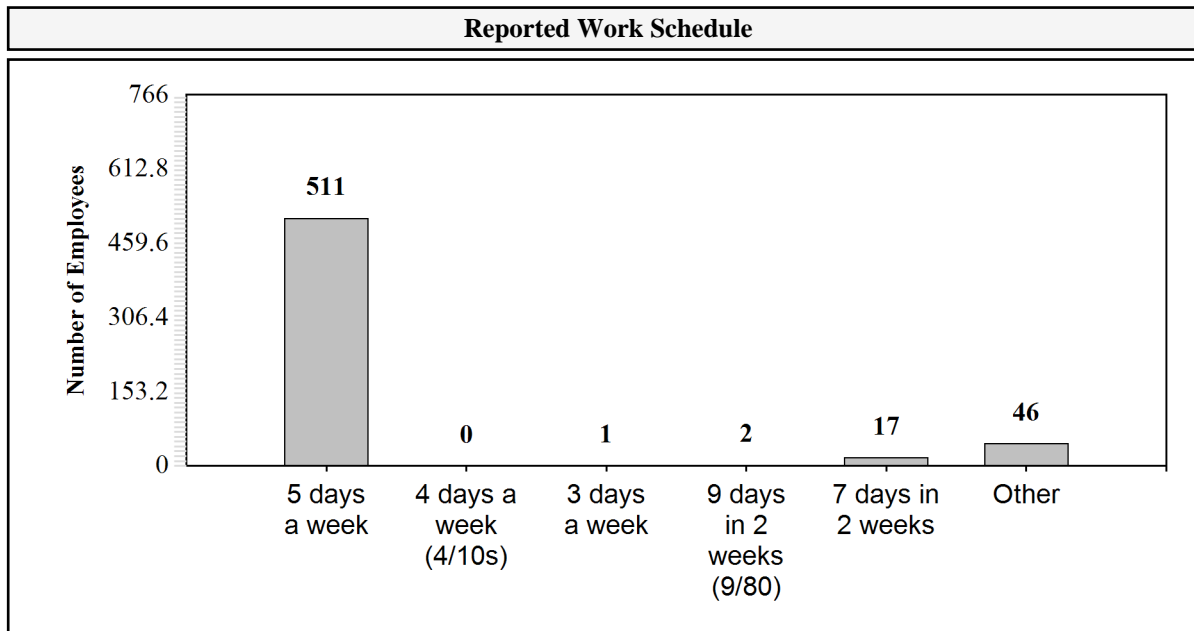
Count by Occupancy of Carpools, Vanpools, and Motorcycles

Q.4b If you used a carpool or vanpool as part of your commute, or if you ride a motorcycle, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
1	Motorcycle	47
2	Motorcycle	0
2	Carpool	330
3	Carpool	47
4	Carpool	0
5	Carpool	0
>5	Carpool	8
<5	Vanpool	0
5	Vanpool	9
6	Vanpool	20
7	Vanpool	25
8	Vanpool	6
9	Vanpool	5
10	Vanpool	5
11	Vanpool	5
12	Vanpool	5
13	Vanpool	0
14	Vanpool	0
15	Vanpool	0

Reported Work Schedule - All Employees

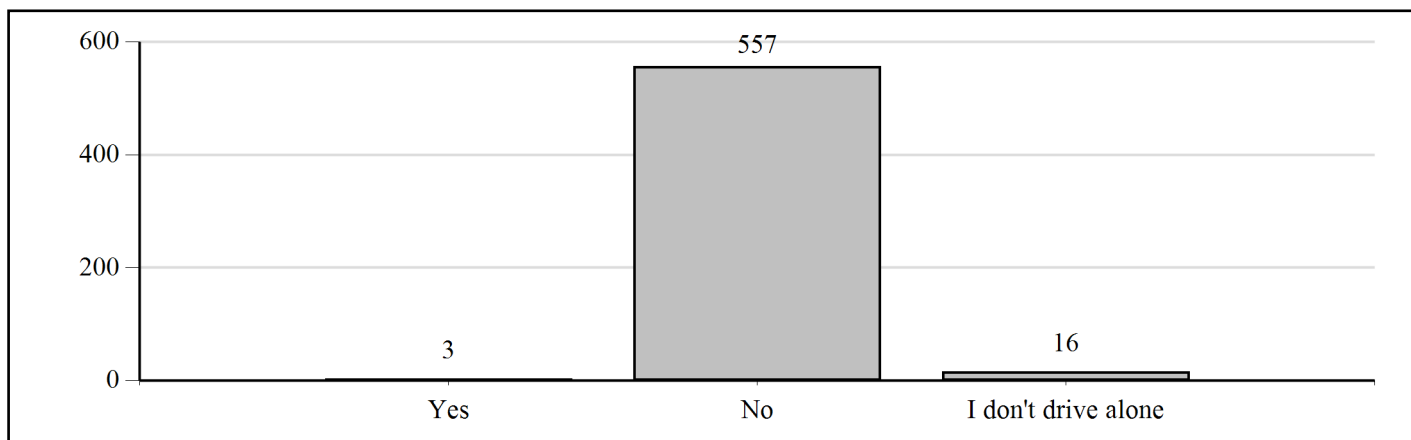
Q.5 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	511	88.6%
4 days a week (4/10s)	0	0%
3 days a week	1	0.2%
9 days in 2 weeks (9/80)	2	0.3%
7 days in 2 weeks	17	2.9%
Other	46	8%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	4	0.7%
I don't telework	555	95.9%
Occasionally, on an as-needed basis	20	3.5%
1-2 days/month	0	0.0%
1 day/week	0	0.0%
2 days/week	0	0.0%
3 days/week	0	0.0%

Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
To save money	228	22.4%
Other	155	15.2%
Financial incentives for carpooling, bicycling or walking.	127	12.5%
To save time using the HOV lane	118	11.6%
Environmental and community benefits	71	7.0%
Preferred/reserved carpool/vanpool parking is provided	64	6.3%
Personal health or well-being	61	6.0%
Cost of parking or lack of parking	53	5.2%
Free or subsidized bus, train, vanpool pass or fare benefit	47	4.6%
Driving myself is not an option	42	4.1%
Emergency ride home is provided	28	2.7%
I receive a financial incentive for giving up my parking space	15	1.5%
I have the option of teleworking	11	1.1%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I like the convenience of having my car	387	29.2%
Riding the bus or train is inconvenient or takes too long	275	20.7%
My commute distance is too short	176	13.3%
Other	163	12.3%
Family care or similar obligations	145	10.9%
Bicycling or walking isn't safe	80	6.0%
My job requires me to use my car for work	51	3.8%
I need more information on alternative modes	37	2.8%
There isn't any secure or covered bicycle parking	12	0.9%

Employee Transit Use - All Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	4	2	0	3	1	1	2	0	7	9
2	0	1	0	1	0	0	1	0	2	4
3	1	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	1
5	1	0	0	0	0	0	0	1	3	8
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	2
8	1	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	1	0	0	1	0	1	0	0	0	4
11 or more	0	1	0	1	0	0	0	0	0	2
# Of Employees using Transit	8	4	0	6	1	2	3	1	12	30
Total One-Way Transit Trips Per Week	30	43	0	27	1	11	4	5	26	148

Employee Transit Use - Affected Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	3	2	0	1	1	1	2	0	3	3
2	0	0	0	0	0	0	0	0	1	2
3	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	1
5	1	0	0	0	0	0	0	1	1	6
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	2
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	1	0	0	1	0	1	0	0	0	1
11 or more	0	0	0	0	0	0	0	0	0	2
# Of Employees using Transit	5	2	0	2	1	2	2	1	5	17
Total One-Way Transit Trips Per Week	18	2	0	11	1	11	2	5	10	98

Commute Mode By ZipCode for All Employees

Q8. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
	3	0.52%	6	7	5	0	0	0	0	0	0	0	0	0	0
98001	2	0.35%	12	0	0	0	0	0	0	0	0	0	0	0	0
98004	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98005	1	0.17%	2	0	1	0	0	0	0	0	0	0	0	0	0
98006	1	0.17%	7	0	0	0	0	0	0	0	0	0	0	0	0
98007	1	0.17%	0	0	5	0	0	0	0	0	0	0	0	0	0
98008	3	0.52%	13	0	0	0	0	0	0	0	0	0	0	0	0
98011	1	0.17%	7	0	0	0	0	0	0	0	0	0	0	0	0
98012	29	5.01%	126	26	0	0	0	0	7	0	0	0	0	0	5
98019	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98020	4	0.69%	13	0	4	0	0	0	0	0	0	0	2	0	0
98021	5	0.86%	24	6	0	0	0	0	0	0	0	0	0	0	0
98023	1	0.17%	2	3	0	0	0	0	0	0	0	0	0	0	0
98026	13	2.25%	60	7	0	0	0	0	0	0	0	0	0	0	7
98028	3	0.52%	14	0	0	3	0	0	0	0	0	0	0	0	0
98030	1	0.17%	0	0	0	0	0	0	0	0	0	0	0	0	0
98031	2	0.35%	7	5	0	0	0	0	0	0	0	0	0	0	0
98032	2	0.35%	12	0	0	0	0	0	0	0	0	0	0	0	0
98033	1	0.17%	0	0	0	0	5	0	0	0	0	0	0	0	0
98034	8	1.38%	33	10	0	0	0	0	0	0	0	0	0	0	0
98036	4	0.69%	20	2	0	0	0	0	0	0	0	0	0	0	0
98037	11	1.90%	59	8	0	0	0	0	0	0	0	0	0	0	0
98043	5	0.86%	28	0	0	0	0	0	0	0	0	0	0	0	0
98052	4	0.69%	21	0	0	0	0	0	0	0	0	0	0	0	0
98055	1	0.17%	7	0	0	0	0	0	0	0	0	0	0	0	0
98056	2	0.35%	9	0	5	0	0	0	0	0	0	0	0	0	0



98057	3	0.52%	16	0	0	0	0	0	0	0	0	0	0	0	0
98058	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98059	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98072	2	0.35%	13	0	0	0	0	0	0	0	1	0	0	0	0
98073	1	0.17%	7	0	0	0	0	0	0	0	0	0	0	0	0
98077	1	0.17%	7	0	0	0	0	0	0	0	0	0	0	0	0
98087	24	4.15%	138	0	0	5	0	0	0	0	0	0	0	0	0
98092	1	0.17%	0	2	5	0	0	0	0	0	0	0	0	0	0
98103	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98105	1	0.17%	7	0	0	0	0	0	0	0	0	0	0	0	0
98106	1	0.17%	6	0	0	0	0	0	0	0	0	0	0	0	0
98107	2	0.35%	9	0	0	0	0	0	0	0	0	0	0	0	0
98108	2	0.35%	13	0	0	0	0	0	0	0	0	0	0	0	0
98110	1	0.17%	0	0	0	0	0	0	0	0	0	0	5	0	0
98115	2	0.35%	12	0	0	0	0	0	0	0	0	0	0	0	0
98116	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98118	1	0.17%	6	0	0	0	0	0	0	0	0	0	0	0	0
98122	2	0.35%	2	11	0	0	0	0	0	0	0	0	0	0	0
98126	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98128	1	0.17%	7	0	0	0	0	0	0	0	0	0	0	0	0
98133	5	0.86%	27	0	0	0	0	0	0	0	0	0	0	0	0
98144	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98146	2	0.35%	11	0	0	0	0	0	0	0	0	0	0	0	0
98155	2	0.35%	5	0	5	0	0	0	0	0	0	0	0	0	0
98166	1	0.17%	7	0	0	0	0	0	0	0	0	0	0	0	0
98168	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98178	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98198	1	0.17%	7	0	0	0	0	0	0	0	0	0	0	0	0
98199	2	0.35%	10	0	0	0	0	0	0	0	0	0	0	0	0
98201	17	2.94%	75	15	0	5	0	0	0	0	0	0	0	0	0
98203	38	6.56%	201	5	0	0	0	0	0	0	0	0	0	0	11
98204	42	7.25%	173	50	0	0	0	0	7	0	0	0	0	0	5
98205	1	0.17%	0	7	0	0	0	0	0	0	0	0	0	0	0
98208	42	7.25%	202	29	0	3	0	0	2	0	0	0	0	0	0
98220	1	0.17%	0	0	5	0	0	0	0	0	0	0	0	0	0
98221	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98223	25	4.32%	92	34	0	3	5	0	0	0	0	0	0	0	0



98229	2	0.35%	0	0	10	0	0	0	0	0	0	0	0	0	0
98232	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98233	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98237	1	0.17%	7	0	0	0	0	0	0	0	0	0	0	0	0
98239	2	0.35%	0	0	5	0	0	0	0	0	0	0	5	0	0
98249	2	0.35%	2	7	0	0	0	0	0	0	0	0	5	0	0
98251	3	0.52%	7	10	0	0	0	0	0	0	0	0	0	0	0
98252	13	2.25%	53	22	0	0	0	0	0	0	0	0	0	0	0
98257	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98258	45	7.77%	208	34	0	18	0	0	0	0	0	0	0	0	2
98260	1	0.17%	0	0	0	0	0	0	0	0	0	0	5	0	0
98270	45	7.77%	218	43	0	0	0	0	0	0	0	0	0	0	0
98271	16	2.76%	77	0	0	5	0	0	0	0	0	2	0	0	0
98272	7	1.21%	39	0	0	0	0	0	0	0	0	0	0	0	0
98273	3	0.52%	15	0	6	0	0	0	0	0	0	0	0	0	0
98274	3	0.52%	10	0	5	0	0	0	0	0	0	0	0	0	0
98275	20	3.45%	89	0	0	0	0	0	5	0	0	0	0	0	6
98277	7	1.21%	33	3	5	0	0	0	0	0	0	0	0	0	0
98282	8	1.38%	36	12	0	0	0	0	0	0	0	0	0	0	0
98284	2	0.35%	11	0	0	0	0	0	0	0	0	0	0	0	0
98287	1	0.17%	0	1	4	0	0	0	0	0	0	0	0	0	0
98290	12	2.07%	62	12	0	0	0	0	0	0	0	0	0	0	0
98292	19	3.28%	104	9	0	0	1	0	0	0	0	0	0	0	0
98294	1	0.17%	7	0	0	0	0	0	0	0	0	0	0	0	0
98296	12	2.07%	40	5	0	5	0	0	0	0	0	0	1	0	8
98328	1	0.17%	6	0	0	0	0	0	0	0	0	0	0	0	0
98340	1	0.17%	0	0	0	0	0	0	0	0	0	0	5	0	0
98346	1	0.17%	2	0	5	0	0	0	0	0	0	0	0	0	0
98366	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98374	1	0.17%	7	0	0	0	0	0	0	0	0	0	0	0	0
98375	1	0.17%	5	0	0	0	0	0	0	0	0	0	0	0	0
98445	1	0.17%	7	0	0	0	0	0	0	0	0	0	0	0	0
98498	1	0.17%	0	0	5	0	0	0	0	0	0	0	0	0	0